BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at Vinayakanagara in Ward No. 11, Vidyaranyapura Sub Division.

			Estimate Cost Rs.						4000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1 / PWD SR 2014-15**	Cum							
	Vinayakanagara 2nd Cross		1	75.00	5.00	0.15	56.25		
	8th Cross		1	60.00	5.00	0.15	45.00		
	Airforce Compound Side		1	100.00	4.50	0.15	67.50		
	Behind Shanimahathma Temple		1	150.00	4.00	0.15	90.00		
	Vinayakanagara opp Seenappa Thota		1	120.00	5.50	0.15	99.00		
							357.75	75.60	**27046.00**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	Vinayakanagara 2nd Cross		1	75.00	5.00	0.15	56.25		
	8th Cross		1	60.00	5.00	0.15	45.00		
	Airforce Compound Side		1	100.00	4.50	0.15	67.50		
	Behind Shanimahathma Temple		1	150.00	4.00	0.15	90.00		
	Vinayakanagara opp Seenappa Thota		1	120.00	5.50	0.15	99.00		
							357.75	4847.04	**1734029.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Providing and laying cement concrete using 20mm and down size granite jelly of **ready mixed concrete (RMC)for R.C.C works** laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. **Page No. 18 / Item No. 4.48 / PWD SR 2014-15**	Cum							
	Vinayakanagara 2nd Cross		1	75.00	5.00	0.10	37.50		
	8th Cross		1	60.00	5.00	0.10	30.00		
	Airforce Compound Side		1	100.00	4.50	0.10	45.00		
	Behind Shanimahathma Temple		1	150.00	4.00	0.10	60.00		
	Vinayakanagara opp Seenappa Thota		1	120.00	5.50	0.10	66.00		
							238.50	5847.12	**1394538.00**
	Basic Rate	5414.00							
	Area Weightage @ 8%	433.12							
	Total	**5847.12**							
4	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **171 / Item No. 22.7 / PWD SR 2014-15**	Sqm							
	Vinayakanagara 2nd Cross		1	75.00	5.00		375.00		
	8th Cross		1	60.00	5.00		300.00		
	Airforce Compound Side		1	100.00	4.50		450.00		
	Behind Shanimahathma Temple		1	150.00	4.00		600.00		
	Vinayakanagara opp Seenappa Thota		1	120.00	5.50		660.00		
							2385.00	97.20	**231822.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
5	Providing **groove cutting** for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator and HOM of machinery including cost of blade coolant etc including cleaning of groove and providing sand and hot bitumne fillars, and filler metal etc., indluding cost of converyance of all materials, labours, lead and lift charges and all other incidental charges as per drawing and as per specification **Concrete Pavement Page No. 172 / Item No. 22.8.1 / PWD SR 2014-15**	Rmt							
			8	5.00			40.00		
			6	5.00			30.00		
			10	4.50			45.00		
			15	4.00			60.00		
			12	5.50			66.00		
							241.00	124.20	**29932.00**
	Basic Rate	115.00							
	Area Weightage @ 8%	9.20							
	Total	**124.20**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.12 / PWD SR 2014-15**	Cum							
	Seenappa Thota Raising Drain		2	20.00	0.60	0.90	21.60		
	Srinidhi layout		2	30.00	0.60	0.70	25.20		
							46.80	4773.60	**223404.00**
	Basic Rate	4420.00							
	Area Weightage @ 8%	353.60							
	Total	**4773.60**							
7	KSRB-4-1.1 : Providing and laying in position plain cement concrete of **mix 1:2:4 with OPC cement @ 240 kgs with 40mm** and down size graded granite metal coarse aggregares @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, **No. 12 / Item No. 4.1 / PWD SR 2014-15**	Cum							
	Seenappa Thota Coing		2	20.00	0.60	0.10	2.40		
	Srinidhi layout		2	30.00	0.60	0.10	3.60		
							6.00	5241.24	**31447.00**
	Basic Rate	4853.00							
	Area Weightage @ 8%	388.24							
	Total	**5241.24**							
8	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **Page No. 13 / Item No. 4.11 / PWD SR 2014-15**	Cum							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Existing Drain Covering Slab Air force Compound Side		1	135.00	1.20	0.10	16.20		
	Near Seenappa Thota		1	50.00	0.90	0.10	4.50		
							20.70	6065.28	**125551.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
9	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2014-15**	Tonne							
			0.06	20.70			1.24		
							1.24	78351.84	**97313.00**
	Basic Rate	72548.00							
	Area Weightage @ 8%	5803.84							
	Total	**78351.84**							
10	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and **removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm** including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.18 / PWD SR 2014-15**	Sqm							
	Existing Drain Covering Slab Air force Compound Side		1	135.00	0.60		81.00		
	Near Seenappa Thota		1	50.00	0.60		30.00		
	Sides		1	135.00		0.10	13.50		
			1	50.00		0.10	5.00		
							129.50	314.28	**40699.00**
	Basic Rate	291.00							
	Area Weightage @ 8%	23.28							
	Total	**314.28**							
11	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**321.98**	72.71	**23409.00**
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Sub Total								3959190.00
13	Third Party Inspection Charges								39592.00
14	Miscesallaneous Charges	L/S							1218.00
								Total	4000000.00

(Rupees Fourty Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under MLA Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Junior Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 40,00 lacs
Rupees Fourty lacks only
Under P-3084
Registered as EE ( ) No 3 9
Subject to conditions contained in enclosed memo EE ( ) No /9/...
Dt Estimate Sanctioned
JC(Y)/PA/AS No 400/11-15
dated 20/8/2015 Rs 40,00,000 lacs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Technical Sanction
Accorded For 40.00 lakhs.
Head of A/C P 3089
CER NO 60 **Dt:** 21.8.15

TA CE (YNK).